

Inventor: Wheeler, et al Filed: 9/30/03 USSN: Not yet assigned Atty Dkt 66-00A

SEQ ID NO:1

GATCAGTCCTGGGTGGTCATTGAAAGGACTGATGCTGAAGTTGAAGCTCC 1 AATACTTTGGCCACCTGATGCGAAGAACTGACTCATGTGATAAGACCCTG 51 ATACTGGGAAAGATTGAAGGCAGGAGGAGAAGGGATGACAGAGGATGGAA 101 GAGTTGGATGGAATCACCAACTCGATGGACATGAGTTTGAGCAAGCTTCC 151 AGGAGTTGGTAATGGGCAGGGAAGCCTGGCGTGCTGCAGTCCATGGGGTT 201 251 CATGGTACAGAATATAGGATAAAAAAGAGGAAGAGTTTGCCCTGATTCTG 301 AAGAGTTGTAGGATATAAAAGTTTAGAATACCTTTAGTTTGGAAGTCTTA 351 AATTATTTACTTAGGATGGGTACCCACTGCAATATAAGAAATCAGGCTTT 401 AGAGACTGATGTAGAGAGAATGAGCCCTGGCATACCAGAAGCTAACAGCT 451 ATTGGTTATAGCTGTTATAACCAATATATAACCAATATATTGGTTATATA 501 GCATGAAGCTTGATGCCAGCAATTTGAAGGAACCATTTAGAACTAGTATC 551 CTAAACTCTACATGTTCCAGGACACTGATCTTAAAGCTCAGGTTCAGAAT 601 CTTGTTTTATAGGCTCTAGGTGTATATTGTGGGGCTTCCCTGGTGGCTCA 651 GATGGTAAAGTGTCTGCCTGCAATGTGGGTGATCTGGGTTCGATCCCTGG 701 CTTGGGAAGATCCCCTGGAGAAGGAAATGGCAACCCACTCTAGTACTCTT 751 ACCTGGAAAATTCCATGGACAGAGGAGCCTTGTAAGCTACAGTCCATGGG 801 ATTGCAAAGAGTTGAACACAACTGAGCAACTAAGCACAGCACAGTACAGT 851 ATACACCTGTGAGGTGAAGTGAAGGTTCAATGCAGGGTCTCCTGC 901 ATTGCAGAAAGATTCTTTACCATCTGAGCCACCAGGGAAGCCCAAGAATA 951 1001 CTGGAGTGGGTAGCCTATTCCTTCTCCAGGGGATCTTCCCATCCCAGGAA 1051 TTGAACTGGAGTCTCCTGCATTTCAGGTGGATTCTTCACCAGCTGAACTA 1101 CCAGGTGGATACTACTCCAATATTAAAGTGCTTAAAGTCCAGTTTTCCCA 1151 CCTTTCCCAAAAGGTTGGGTCACTCTTTTTTAACCTTCTGTGGCCTACT 1201 CTGAGGCTGTCTACAAGCTTATATATTTATGAACACATTTATTGCAAGTT 1251 GTTAGTTTTAGATTTACAATGTGGTATCTGGCTATTTAGTGGTATTGGTG 1301 GTTGGGGATGGGGAGGCTGATAGCATCTCAGAGGGCAGCTAGATACTGTC 1351 ATACACACTTTTCAAGTTCTCCATTTTTGTGAAATAGAAAGTCTCTGGAT 1401 CTAAGTTATATGTGATTCTCAGTCTCTGTGGTCATATTCTATTCTACTCC 1451 TGACCACTCAACAAGGAACCAAGATATCAAGGGACACTTGTTTTGTTTCA 1501 TGCCTGGGTTGAGTGGGCCATGACATATGATGATGTACAGTCCTTTTCCA 1551 TATTCTGTATGTCTCTAAGAGGAAGGAGGAGTTGGCCGTGGACCCTTTGT 1601 GCATTTTCTGATTGCTTCACTTGTATTACCCCTGAGGCCCCCTTTGTTCC 1651 TGAAATAGGTTGGGCACATCTTGCTTCCTAGAACCAACACTACCAGAAAC 1701 AACATAAATAAAGCCAAATGGGAAACAGGATCATGTTTGTAACACTCTTT 1751 GGGCAGGTAACAATACCTAGTATGGACTAGAGATTCTGGGGAGGAAAGGA 1801 AAAGTGGGGTGAAATTACTGAAGGAAGCTCAATGTTTCTTTGTTGGTTTT 1851 ACTGGCCTCTTGTCATCCTCTTCCTGGATGTAAGGCTTGATGCCAGGG 1901 CCCCTAAGGCTTTTTCCACAAATAAAAGGAGGTGAGCAGTGTGGTGACCC 1951 CATTTCAGAATCTTGAGGGGTAACGAATTCTAACCAAAATGATGTCCTTT 2001 GTCTCTCTGCTCCTGGTAGGAATCCTATTCCATGCCACCCAGGCTGGACC 2051 GGAGACGCTCTGCGGGGCTGAGCTGGTGGATGCTCTTCAGTTCGTGTG 2101 GAGACAGGGGATTTTATTTCAACAAGCCCACAGGGTATGGATCCAGCAGT 2151 CGGAGGCCCCCAGACAGCATCGTGGATGAGTGCTGCTTCCGGAGCTG 2201 TGATCTAAGGAGGCTGGAGATGTATTGCGCACCCCTAAAGCCTGCCAAGT

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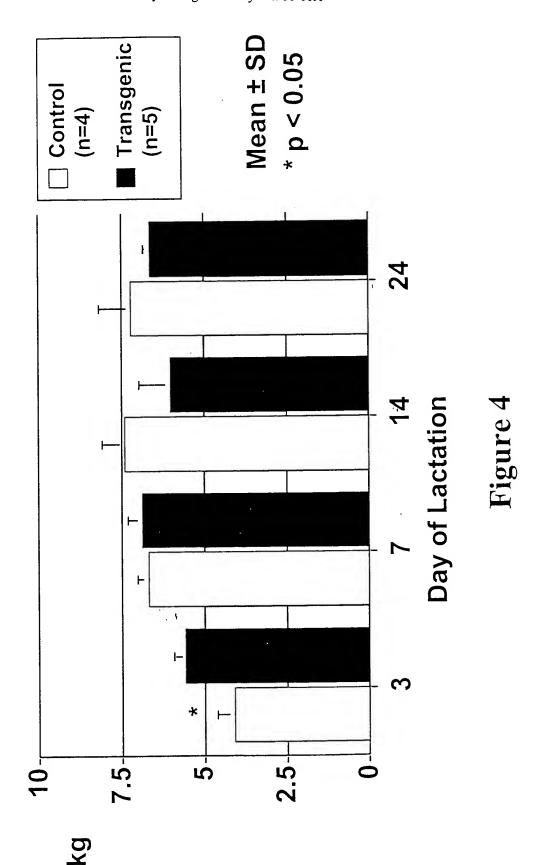
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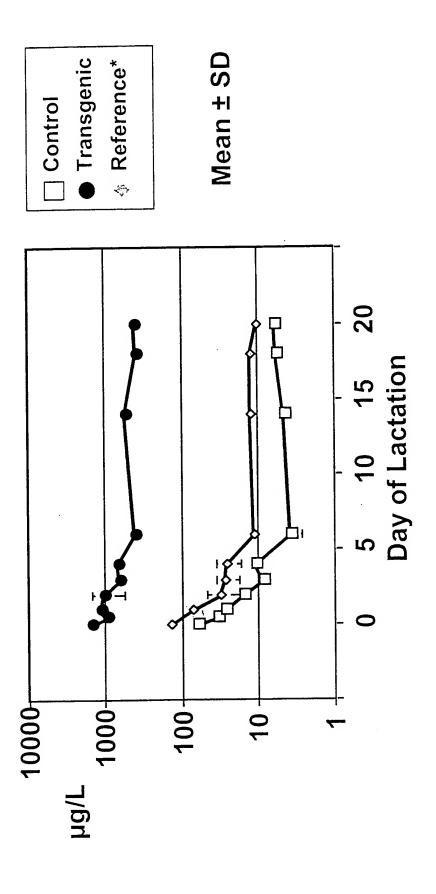
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1-1951	Bovine a-Lactalbumin 5' Flanking Region/Promoter Region
1952	Bovine -Lactalbumin Transcription Start Point
1989-2045	Bovine a-Lactalbumin Signal Peptide Coding Region
2046-2255	Human/Bovine/Porcine IGF-I Coding Region
2256-2258	IGF-I Stop Codon
2259-2340	Cloning Sites and Bovine a-Lactalbumin 3' End of Exon 1
2341-2661	Bovine a-Lactalbumin Intron 1
2662-2820	Bovine a-Lactalbumin Exon 2
2821-3294	Bovine a-Lactalbumin Intron 2
3295-3369	Bovine a-Lactalbumin Exon 3
3370-3873	Bovine a-Lactalbumin Intron 3
3874-4203	Bovine a-Lactalbumin Exon 4
4204-4532	Bovine a-Lactalbumin 3' Flanking Region

SEQ ID NO:2

	. 1
1	GGACCGGAGACGCTCTGCGGGGCTGAGCTGGTGGATGCTCTTCAGTTCGT
51	GTGTGGAGACAGGGGATTTTATTTCAACAAGCCCACAGGGTATGGATCCA
101	GCAGTCGGAGGGCCCCCAGACAGGCATCGTGGATGAGTGCTGCTTCCGG
151	AGCTGTGATCTAAGGAGGCTGGAGATGTATTGCGCACCCCTAAAGCCTGC
201	CAAGTCAGCT





* York-Duroc cross-bred sows (Donovan et al. Pediatric Research 1994; 36:159-163)

Figure 5

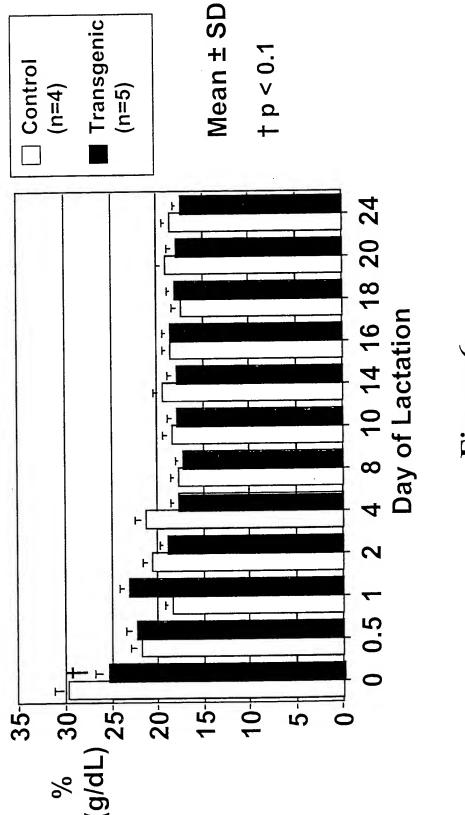
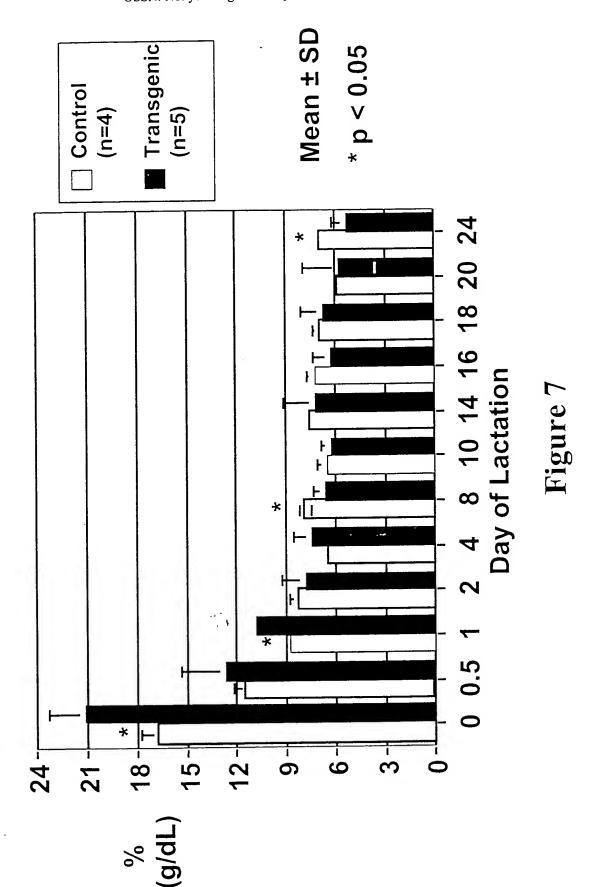
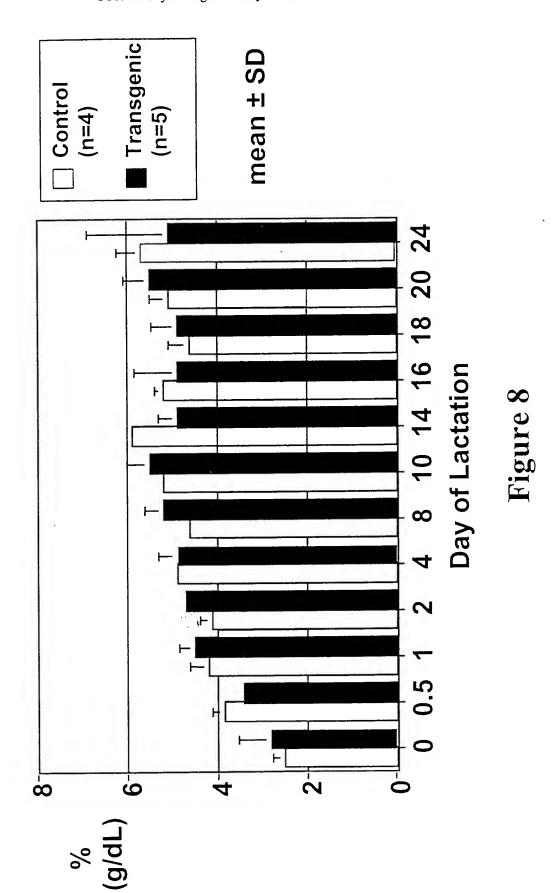
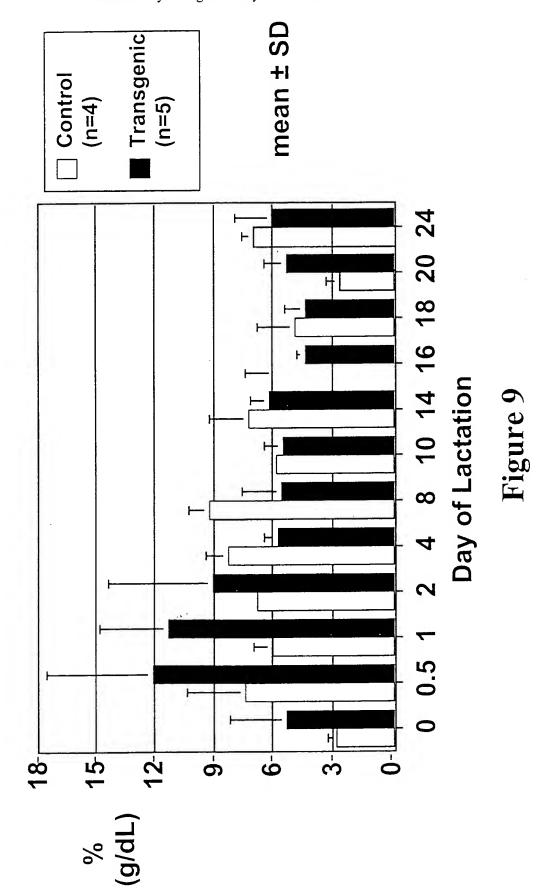


Figure 6

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